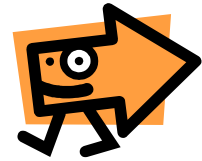




User manual

Quick start







www.ira.com

[Required configuration : Page 4](#)

[Installing : Page 5](#)

[Version : Page 6](#)

[Differences V6 / V7 : Page 7](#)

[New features V7 : Page 9](#)

[Creating automation application : Page 12](#)

[Running an application on a PC : Page 18](#)

[Adding a supervision object : Page 19](#)

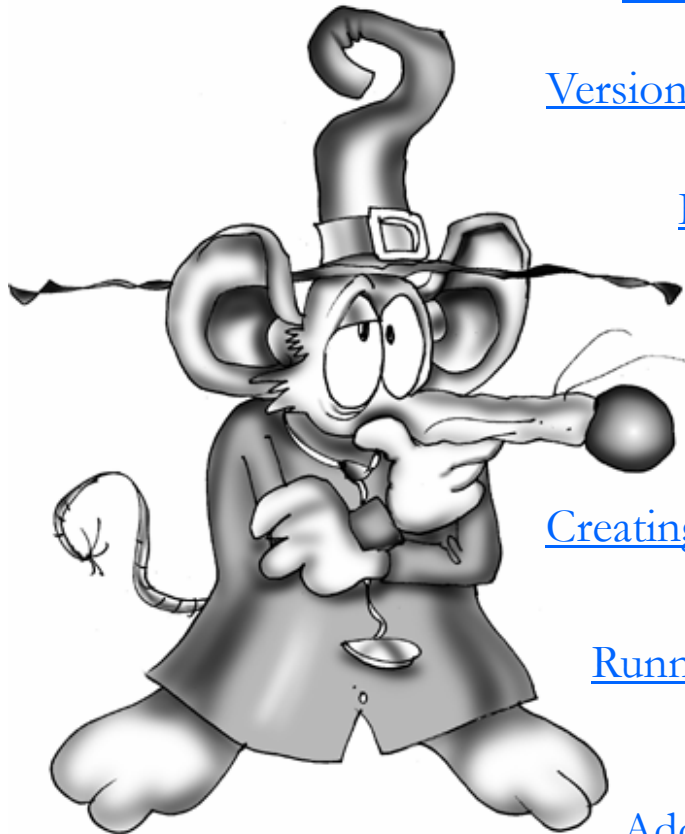
[Running an application on a PLC : Page 21](#)

[Opening an example of 3D OP simulation : Page 22](#)

[Creating a 3D OP simulation application : Page 23](#)

[To find information : Page 31](#)

[To contact IRAI : Page 32](#)





7

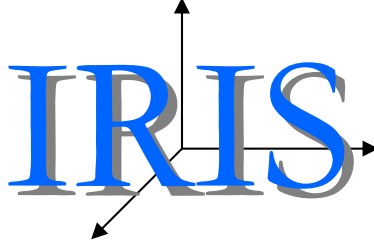
www.iri.com

Required configuration

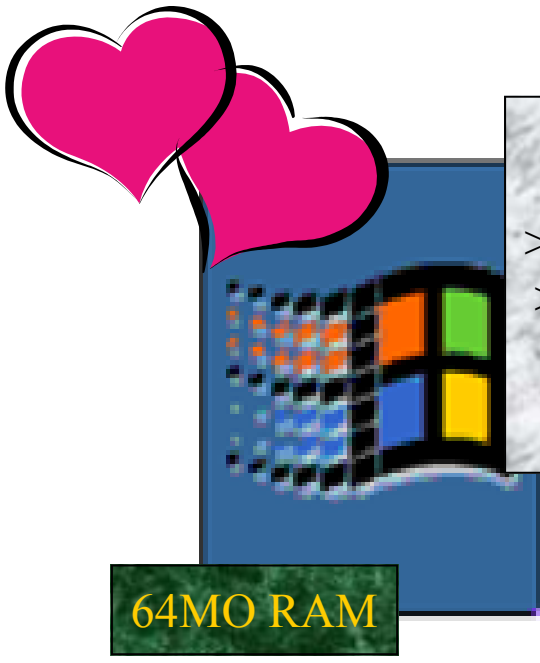


95
98
ME
NT4
2000
XP

32MO RAM



95
98
ME
~~NT4~~
2000
XP



>=98 SE
>=2000

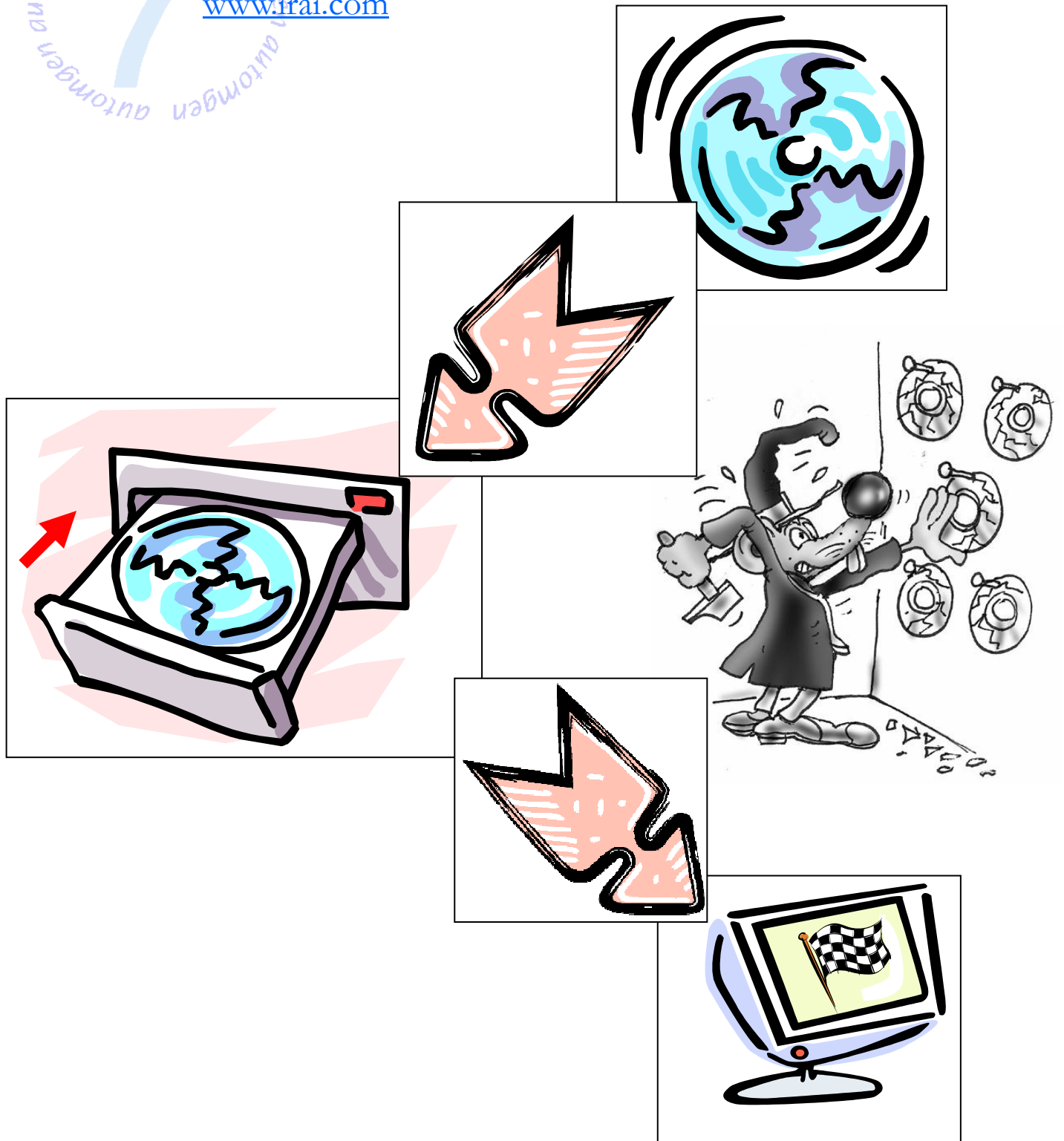
64MO RAM



7

www.irai.com

Installing



If the installation procedure is not launched automatically, launch the executable « Setup.exe » located in the root on the CD-ROM.



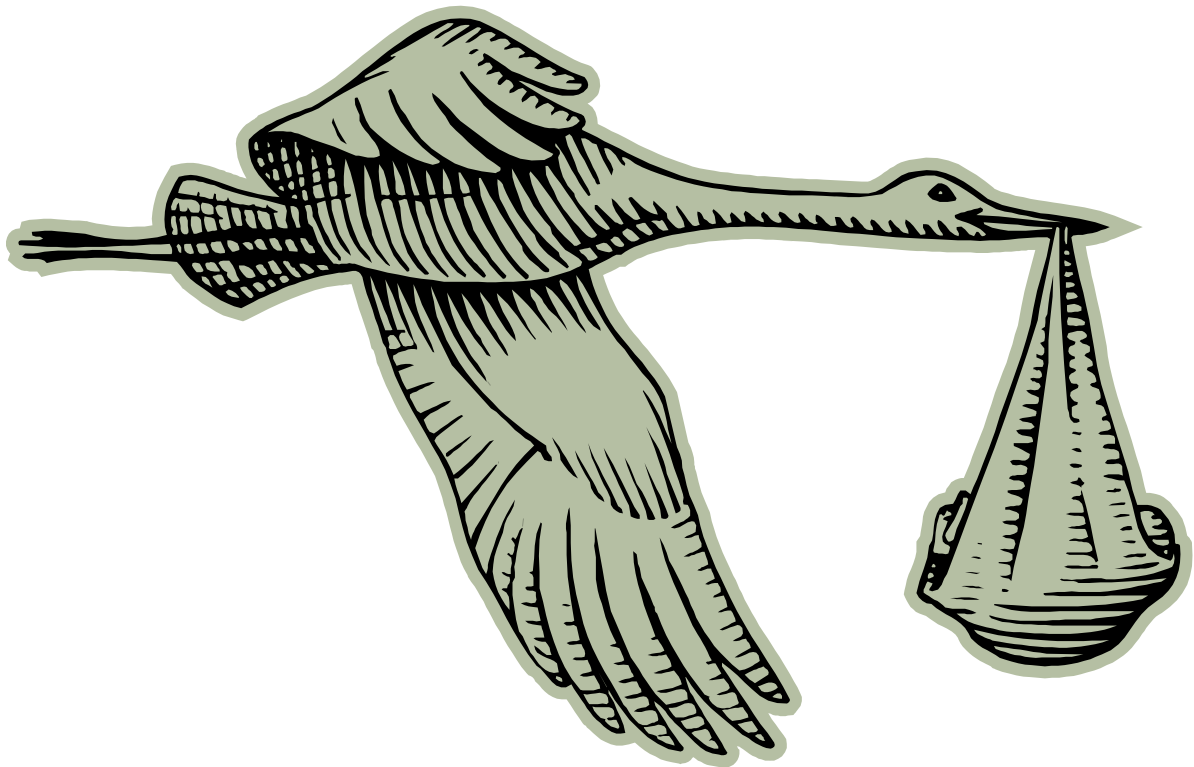
7

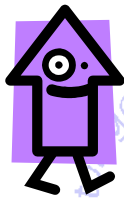
www.ira.com

Version

02 / 15 / 2002

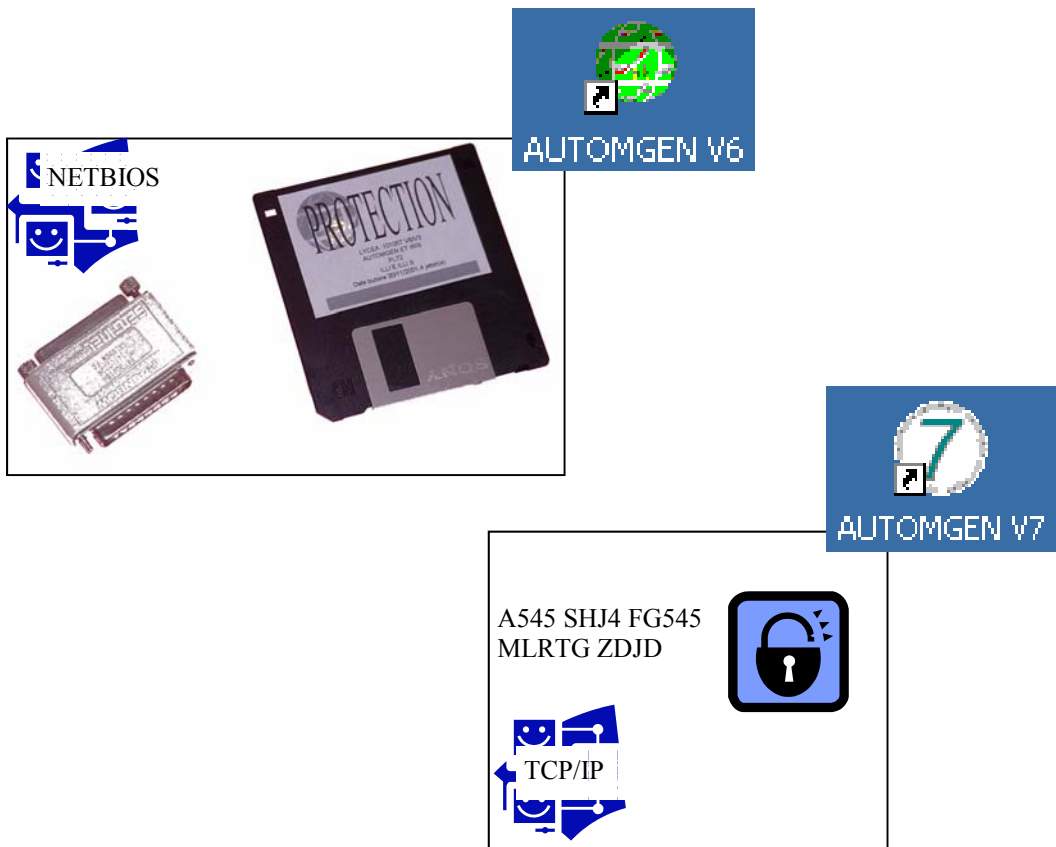
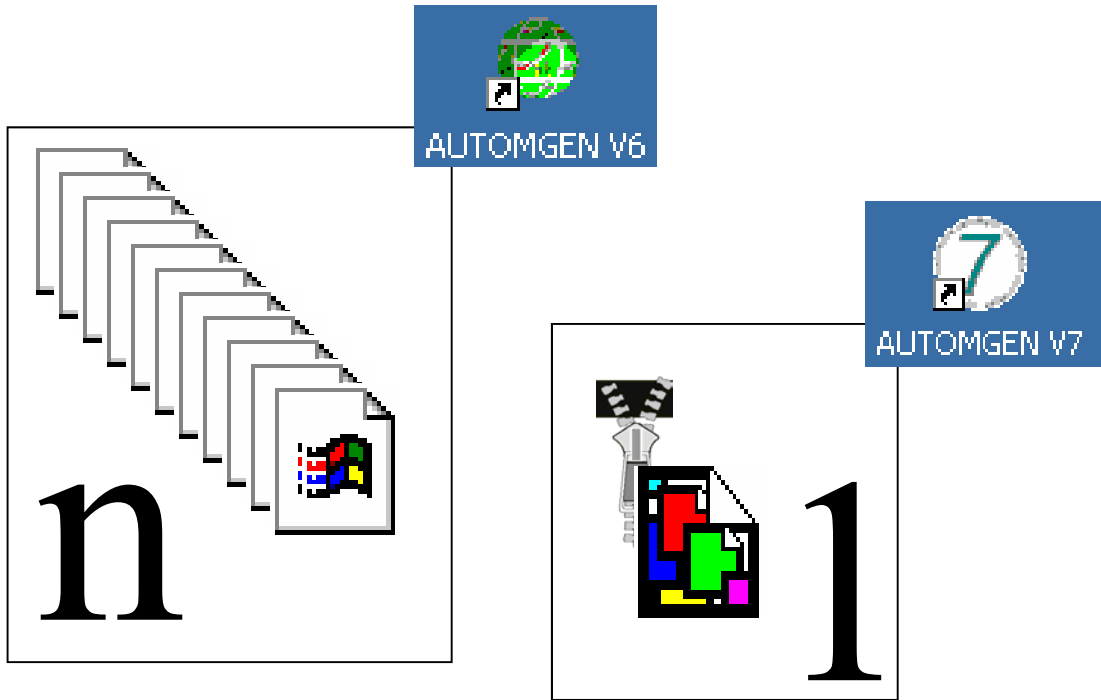
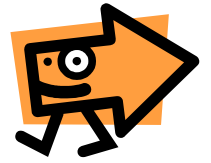
First commercial version of
AUTOMGEN⁷

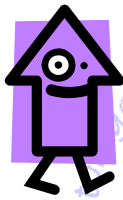




7
www.ira.com

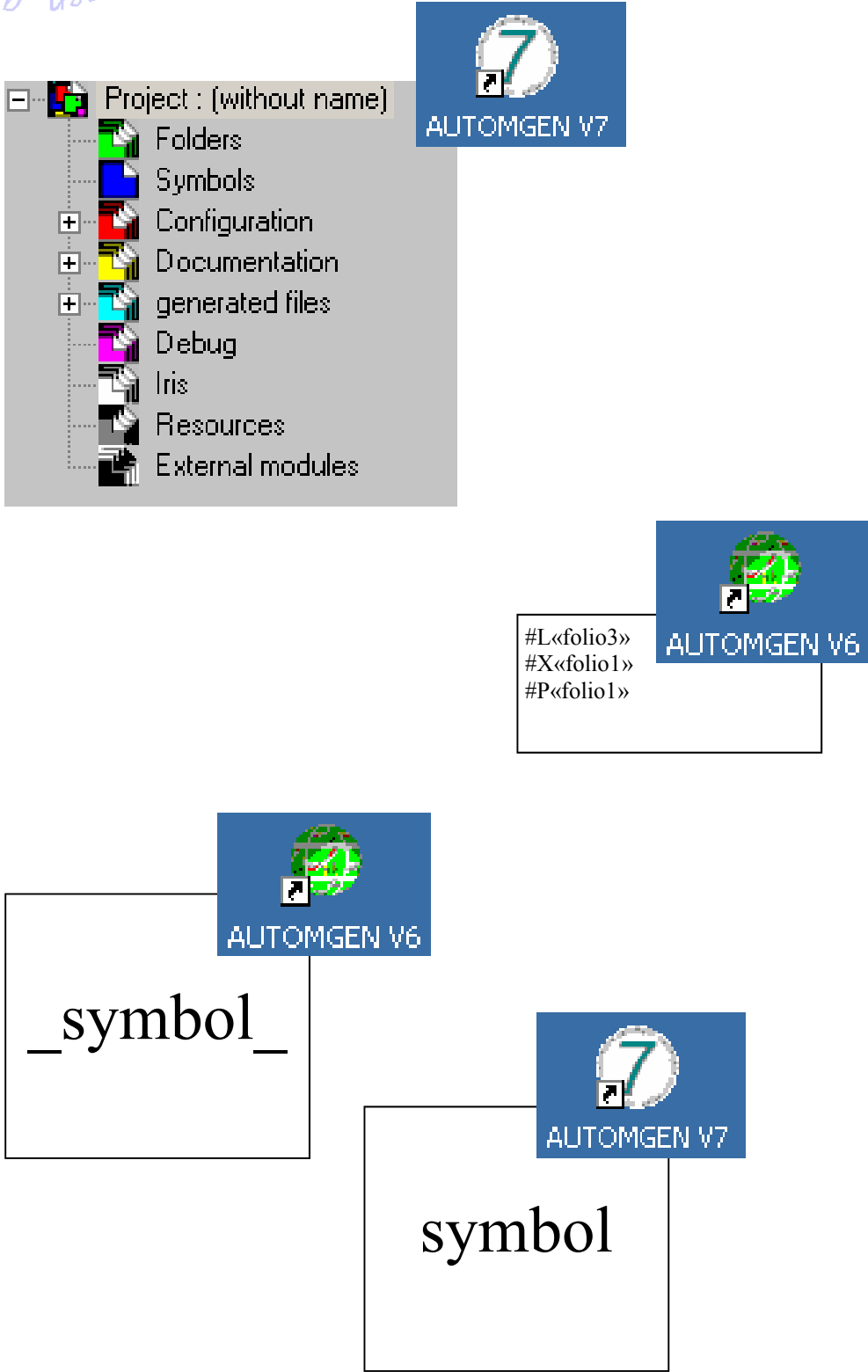
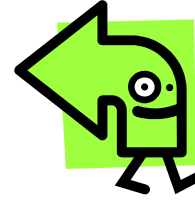
Differences V6 / V7 (1/2)

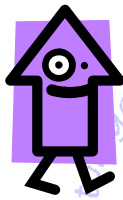




www.irai.com

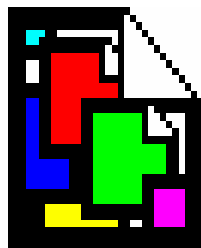
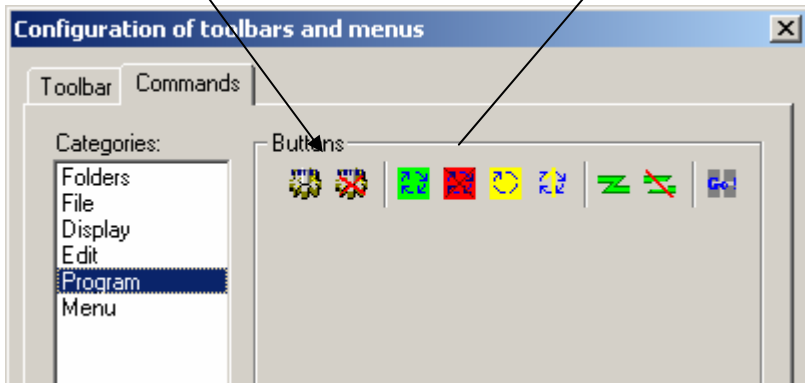
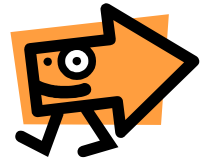
Differences V6 / V7 (2/2)






New features V7 (1/3)

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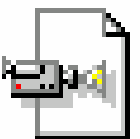
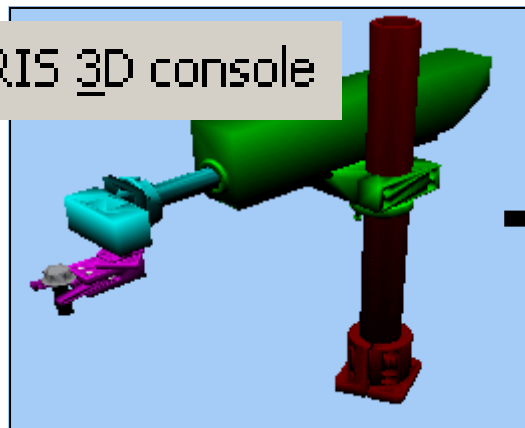


EXE

IRIS

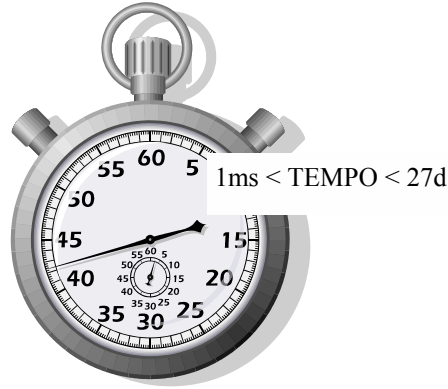
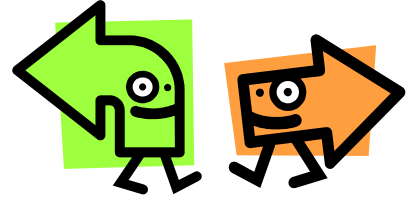
 Add an IRIS 3D console

SOLIWORKS
SOLIDCONCEPTER
3DSTUDIO
FICHIERS VRML

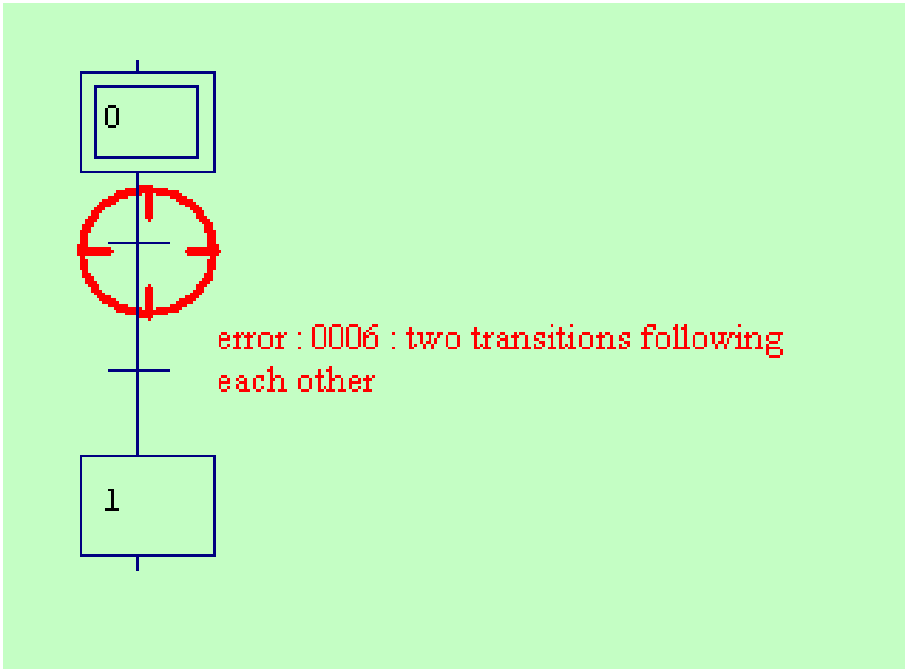
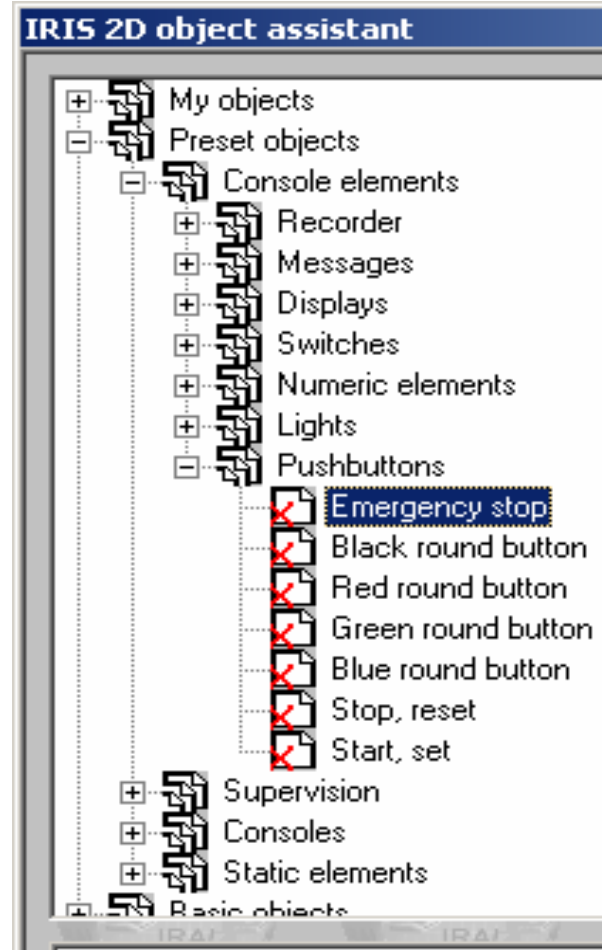


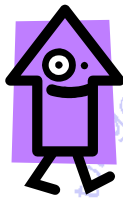


New features V7 (2/3)



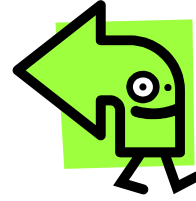
```
+ decy. | (m200>4+m200<
```





New features V7 (3/3)

www.traf.com



Project : (without name)

- [-] Folders
 - Folder 1
- [-] Symbols
- [-] Configuration
 - [-] Post-processors
 - [+] Exécuteur PC
 - [+] PI7 (Tsx 37 & Tsx 57)
 - [+] PL72
 - [-] STEP7 (S7200)
 - System
 - Variable correspondence
 - Begin machine code

Elements	Values
[-] Hardware setup	
..... PLC model	1720
..... Extension #1 code (0 if none)	0
..... Extension #2 code (0 if none)	0
..... Extension #3 code (0 if none)	0
..... I0,0 input	NORMAL
..... O0,0 output	NORMAL
..... I0,24 input	NORMAL
..... I0,25 input	NORMAL
[+] Software setup	
[+] Constant words	
[+] Text FB	
[+] Code builder options (learning, modify)	

Connection options

Connect and download

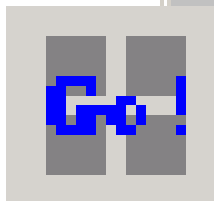


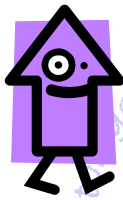
Do not use this dialogue box any longer, always use the option selected



Communication parameters

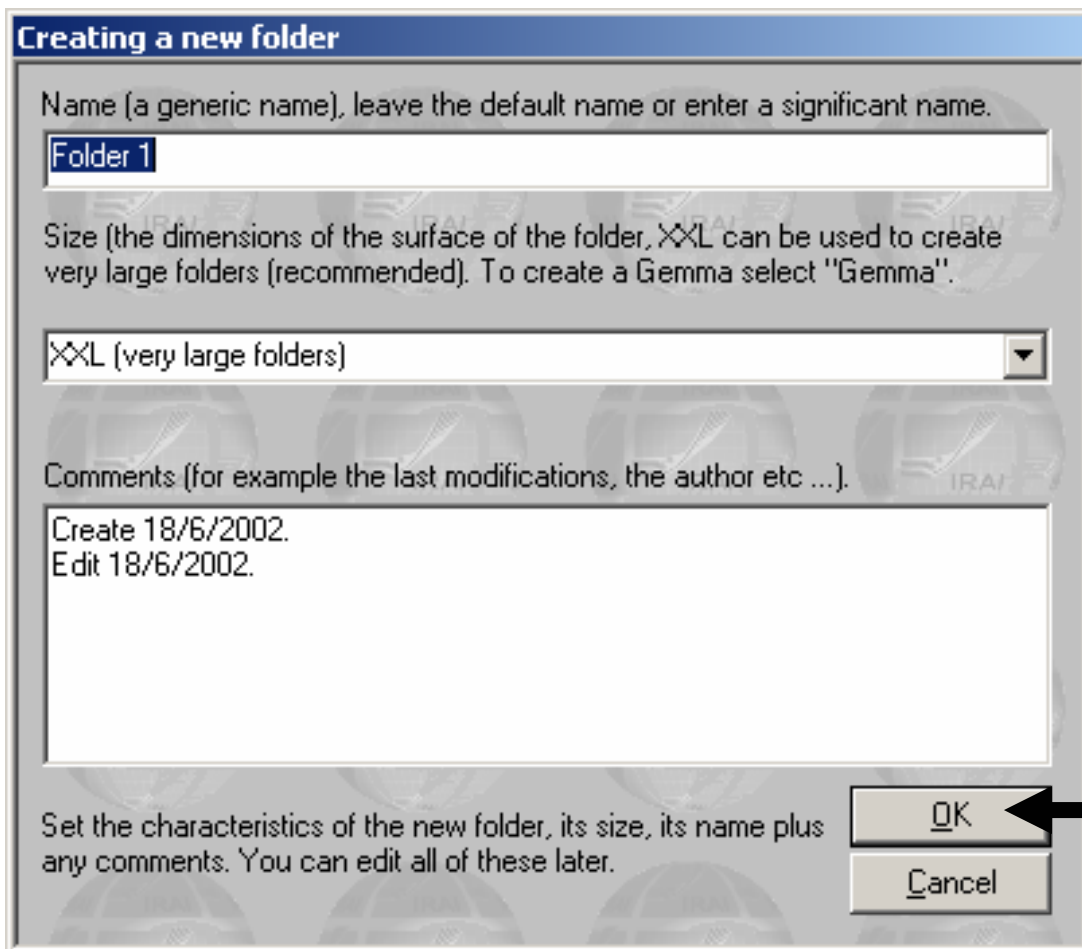
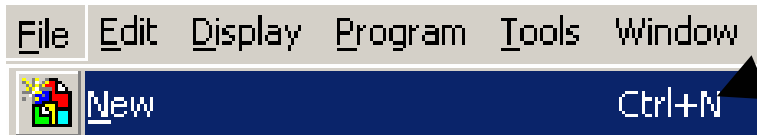
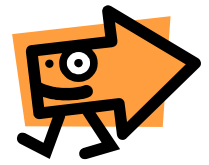
Set as default





Creating automation application 1/6

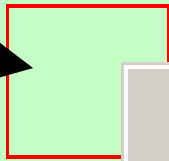
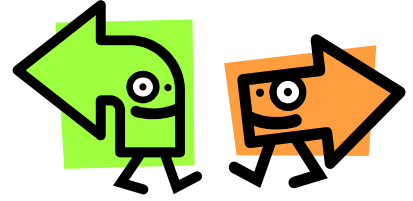
www.ira.com





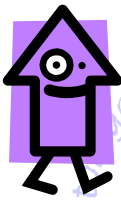
Creating automation application 2/6

www.trafai.com



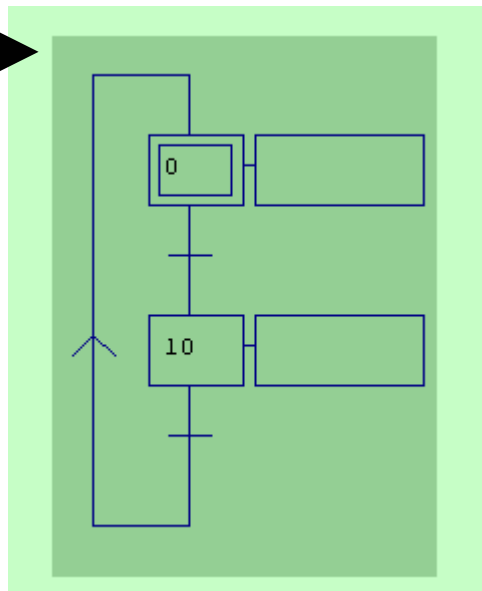
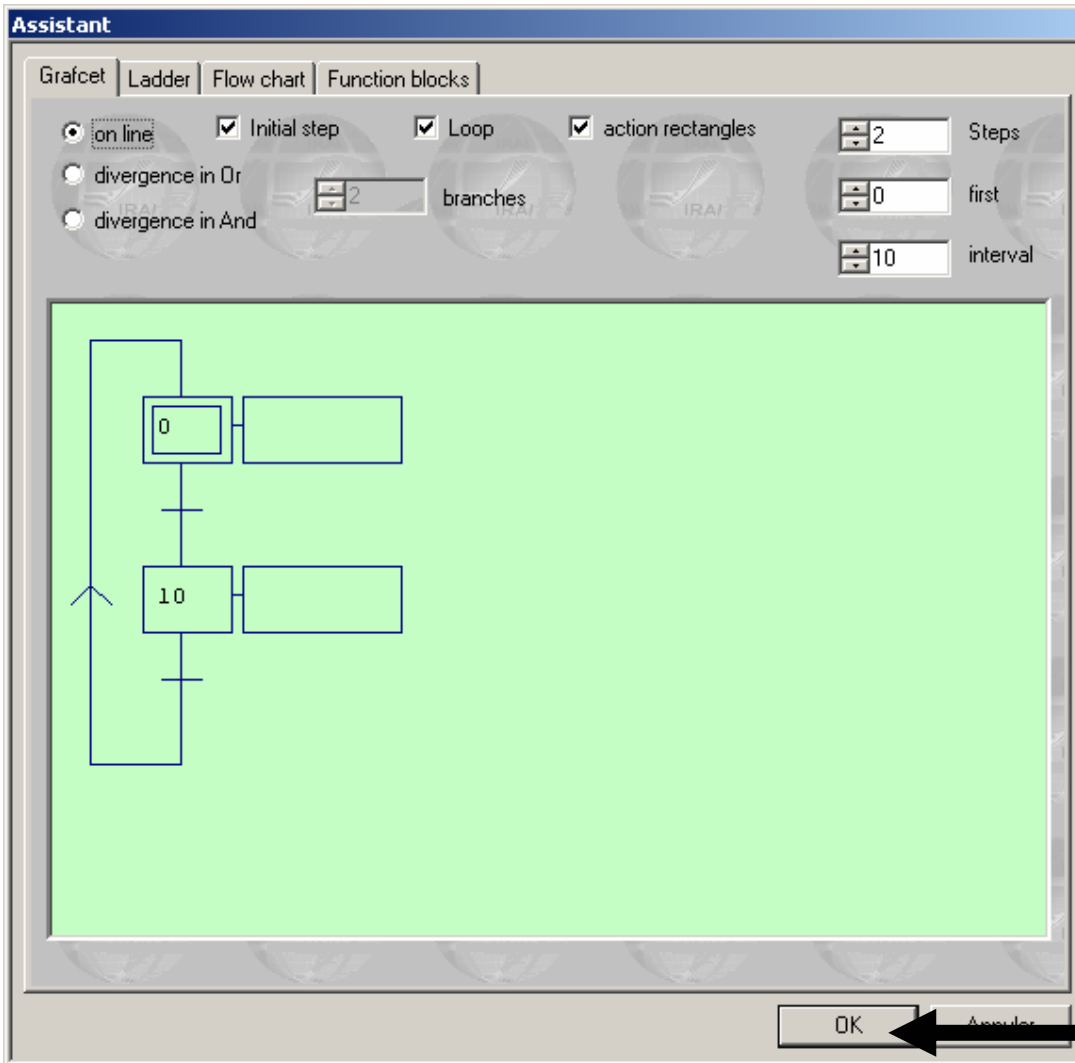
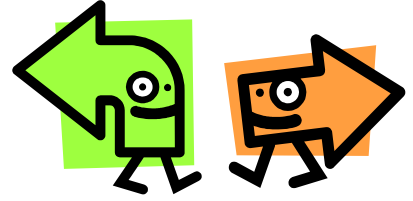
	Initial step
	Normal step
	transition
	link
	assistant
Plus ... ▶	
Edit ... ▶	





Creating automation application 3/6

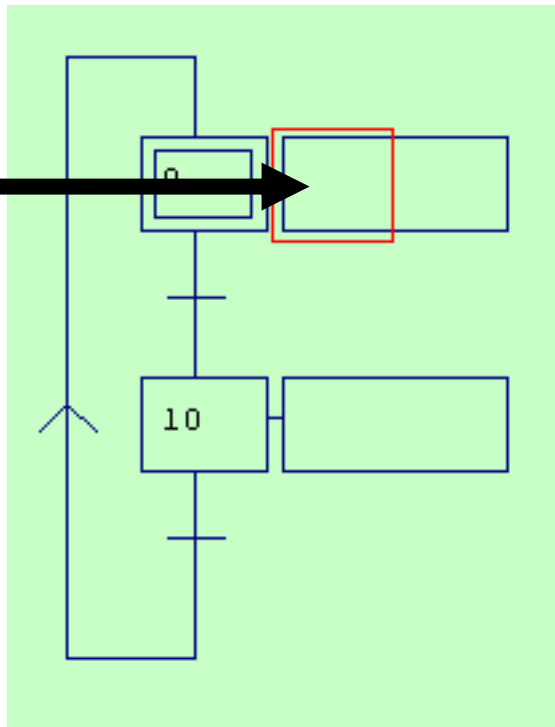
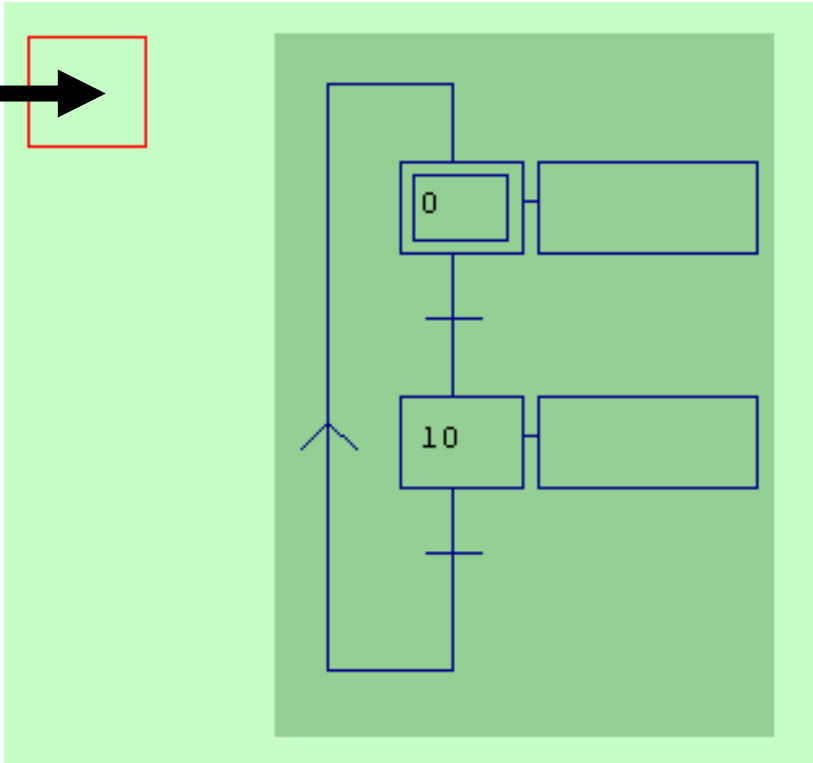
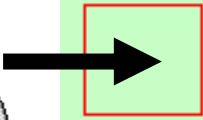
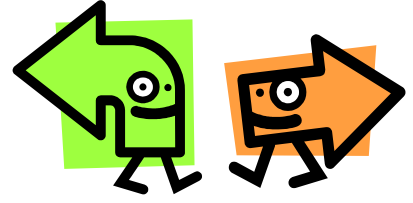
www.ira1.com





Creating automation application 4/6

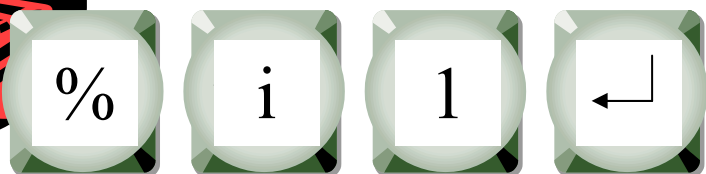
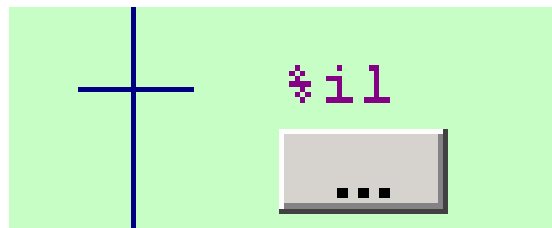
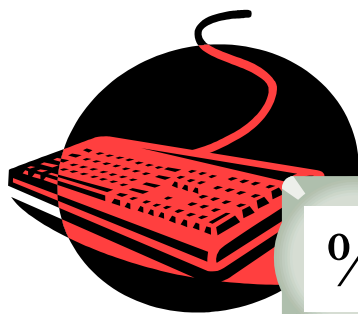
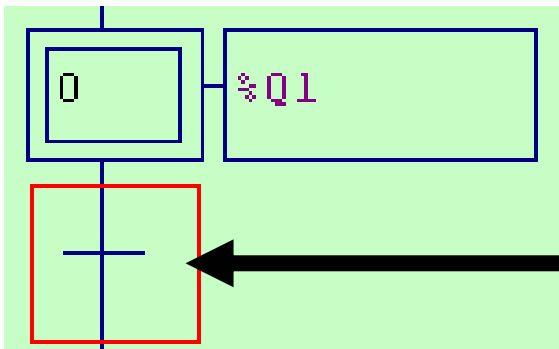
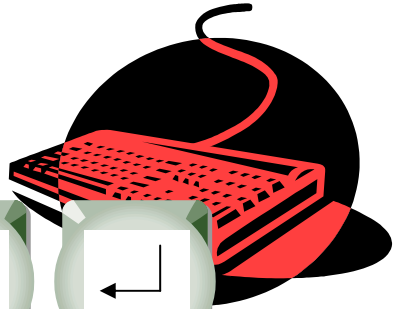
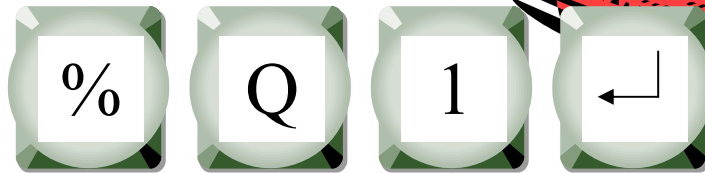
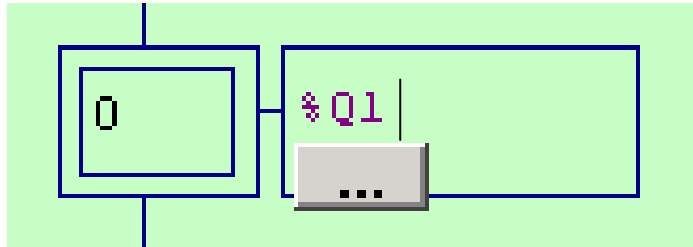
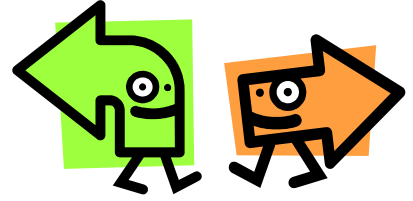
www.ira.com





Creating automation application 5/6

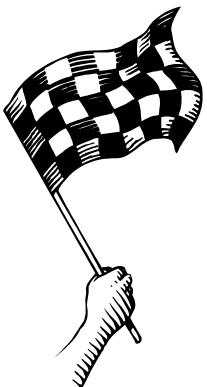
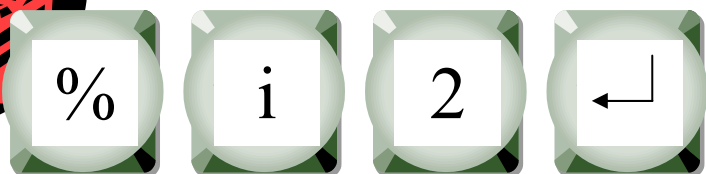
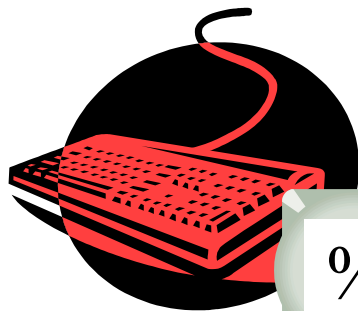
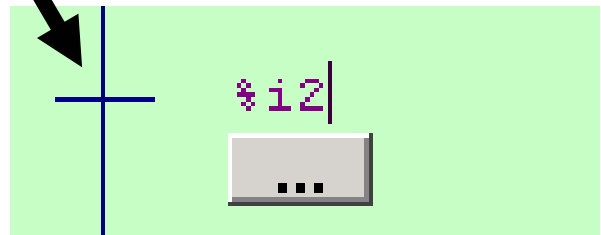
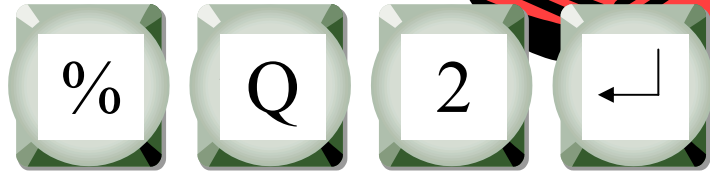
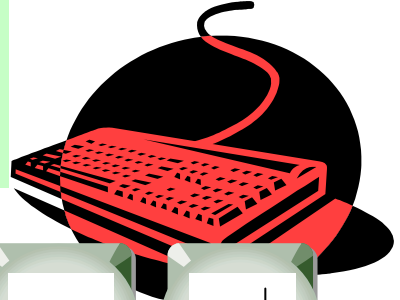
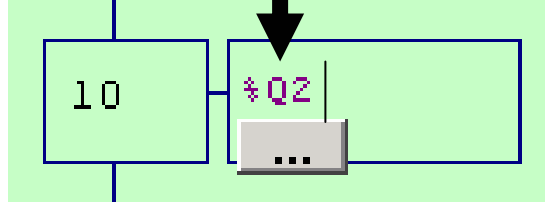
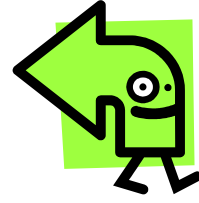
www.irai.com

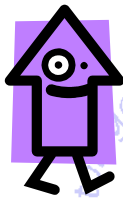




Creating automation application 6/6

www.irai.com





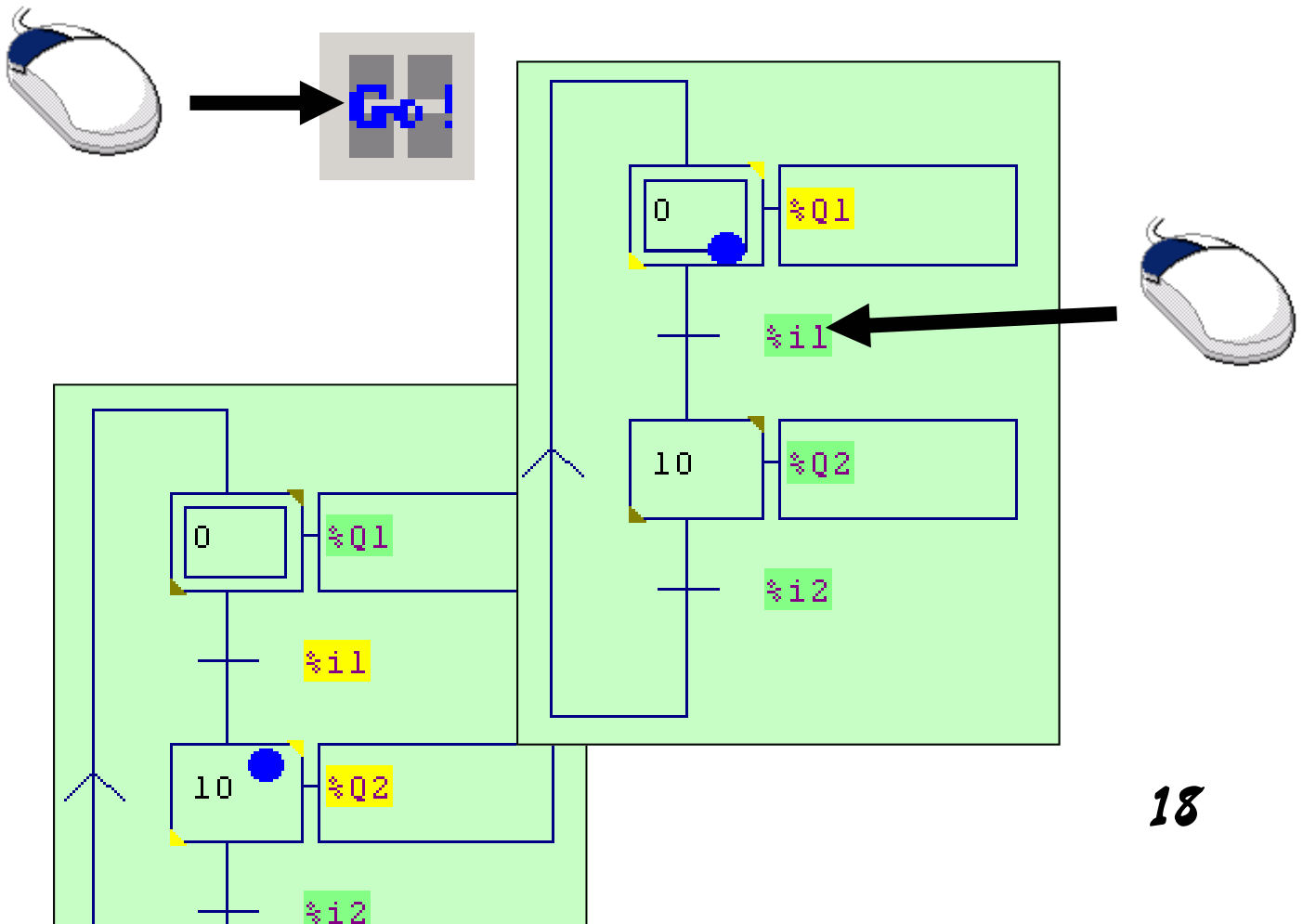
7

www.tra.com

Running an application on a PC



Current	Name	Version
	PC	7.000
	PL7 (Tsx 37 & Ts...	7.003
	PL72	7.000

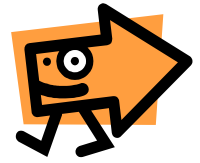




7

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Add a supervision object 1/2



IRAI

Add an IRIS 2D object



- My objects
- Preset objects
- Console elements
 - Recorder
 - Messages
 - Displays
 - Switches
 - Numeric elements
 - Lights
 - Pushbuttons
 - Emergency stop
 - Black round button
 - Red round button
 - Green round button
 - Blue round button
 - Stop, reset
 - Start, set

Paramètres	Valeurs
Action(s) associée(s) à l'état bp appuyé	<input type="text" value="i1=1"/>
Action(s) associée(s) à l'état bp relaché	<input type="text" value="00=0"/>

% i 1 = 1

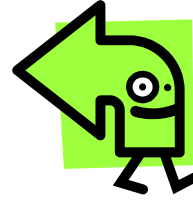




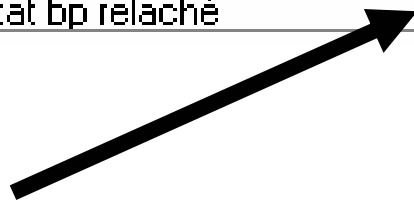
7

www.traai.com

Add a supervision object 2/2



Paramètres	Valeurs
Action(s) associée(s) à l'état bp appuyé	%I1=1
Action(s) associée(s) à l'état bp relaché	<input type="text" value="%I1=0"/>



%

i

1

=

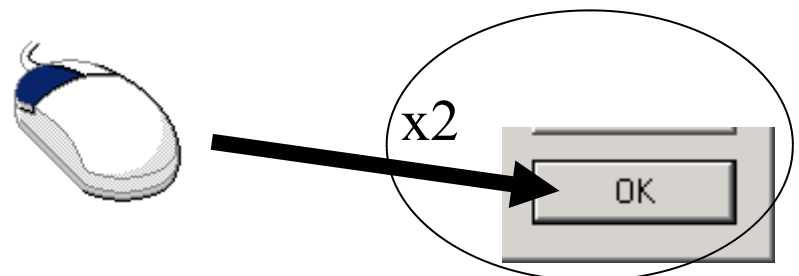
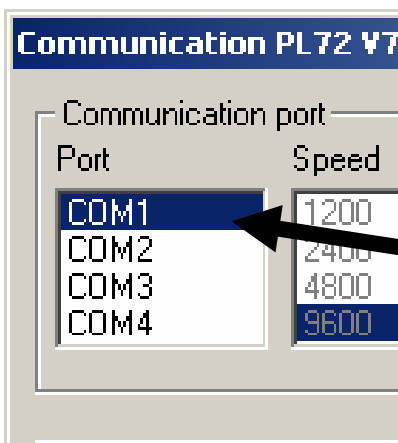
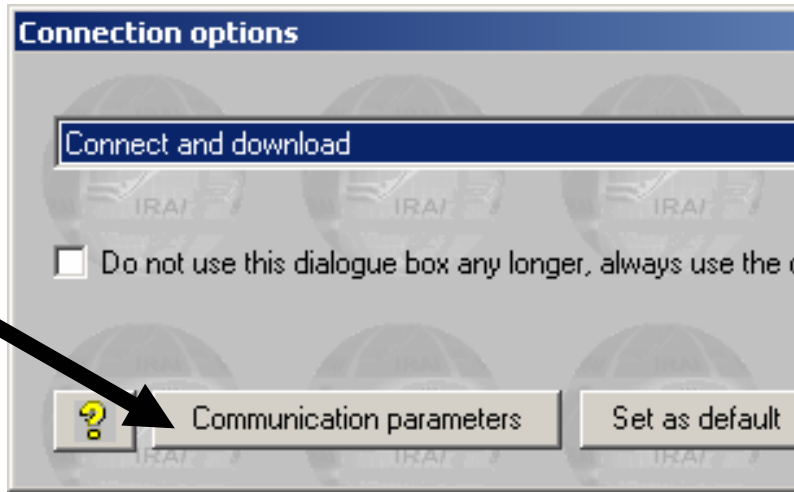
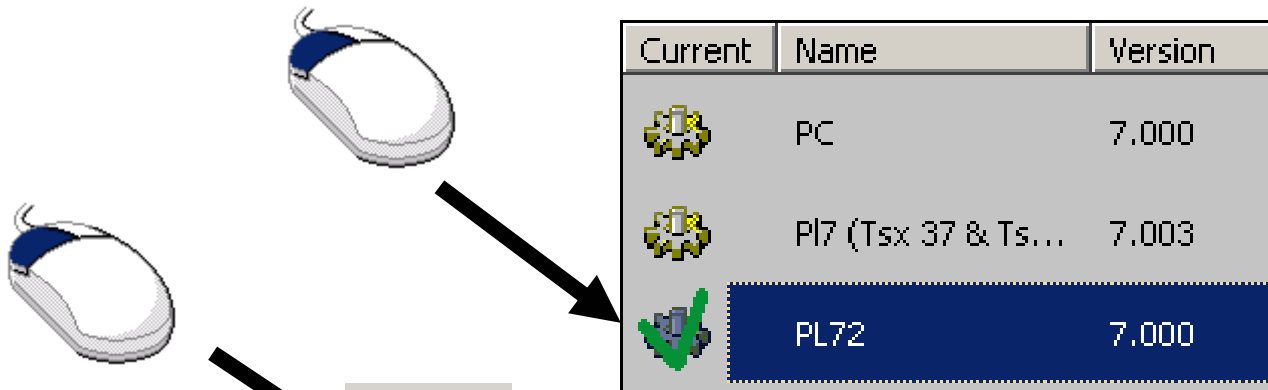
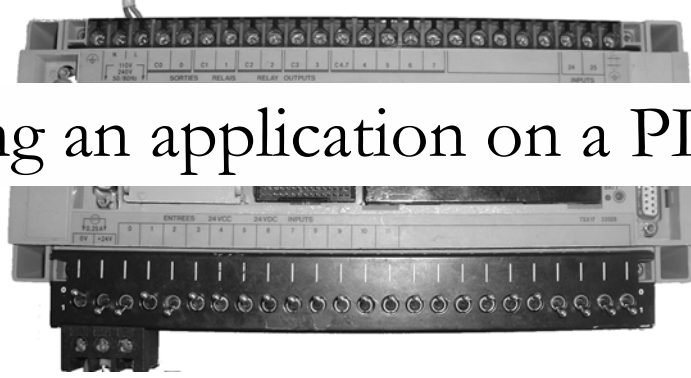
0

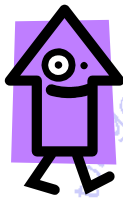




Running an application on a PLC

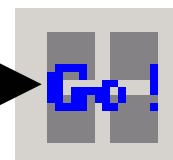
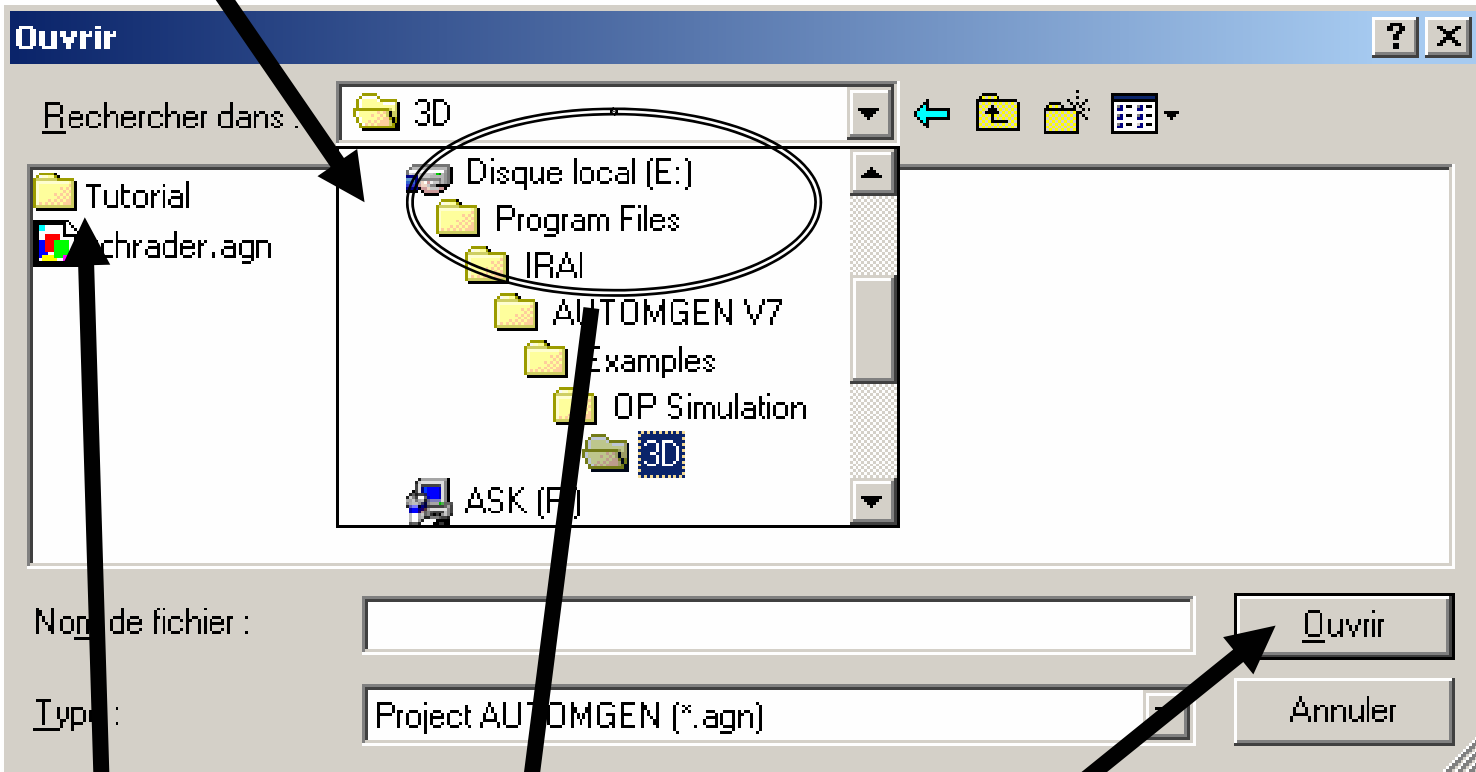
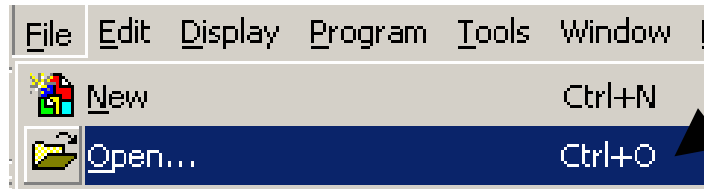
www.ira.com





Opening an example of 3D OP simulation

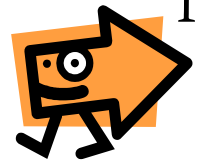
www.irai.com





Creating a 3D OP simulation application

www.irai.com



1/8

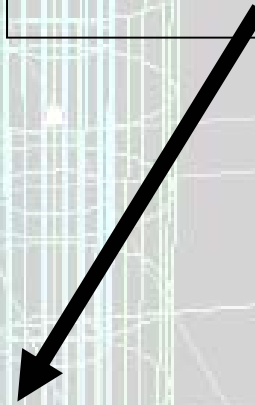
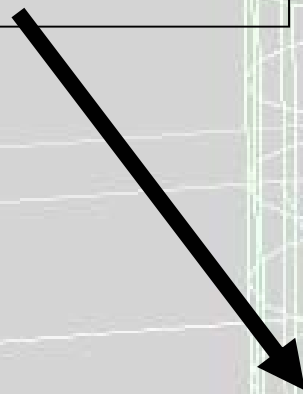


SOLIDWORKS
SOLIDCONCEPTER



3DSTUDIO
AMAPI3D
<http://delphi3d.free.fr>

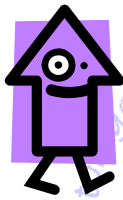
CROSSROADS



n x  .3DS

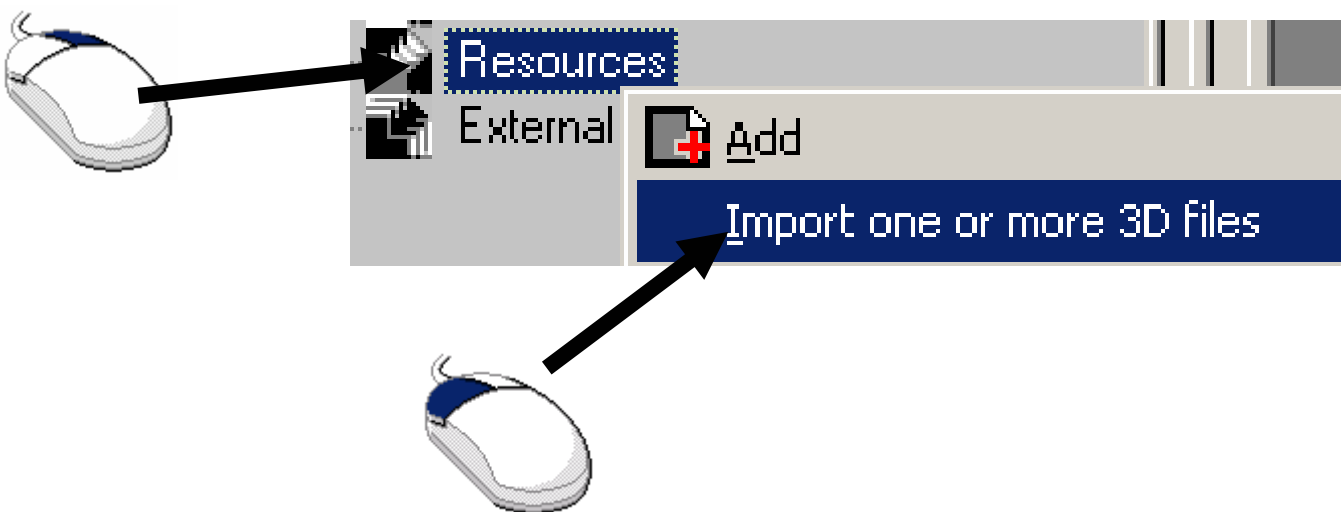
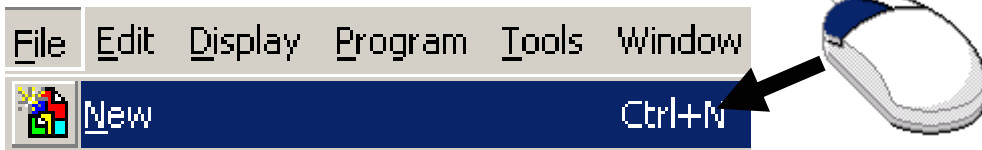
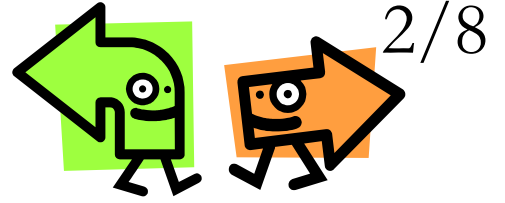


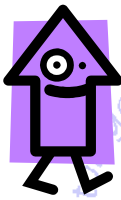
A .3DS file for each 3D object must be moved separately



Creating a 3D OP simulation application

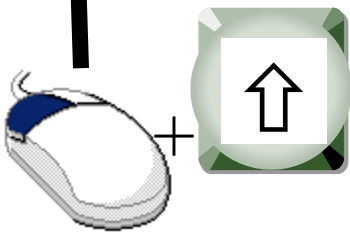
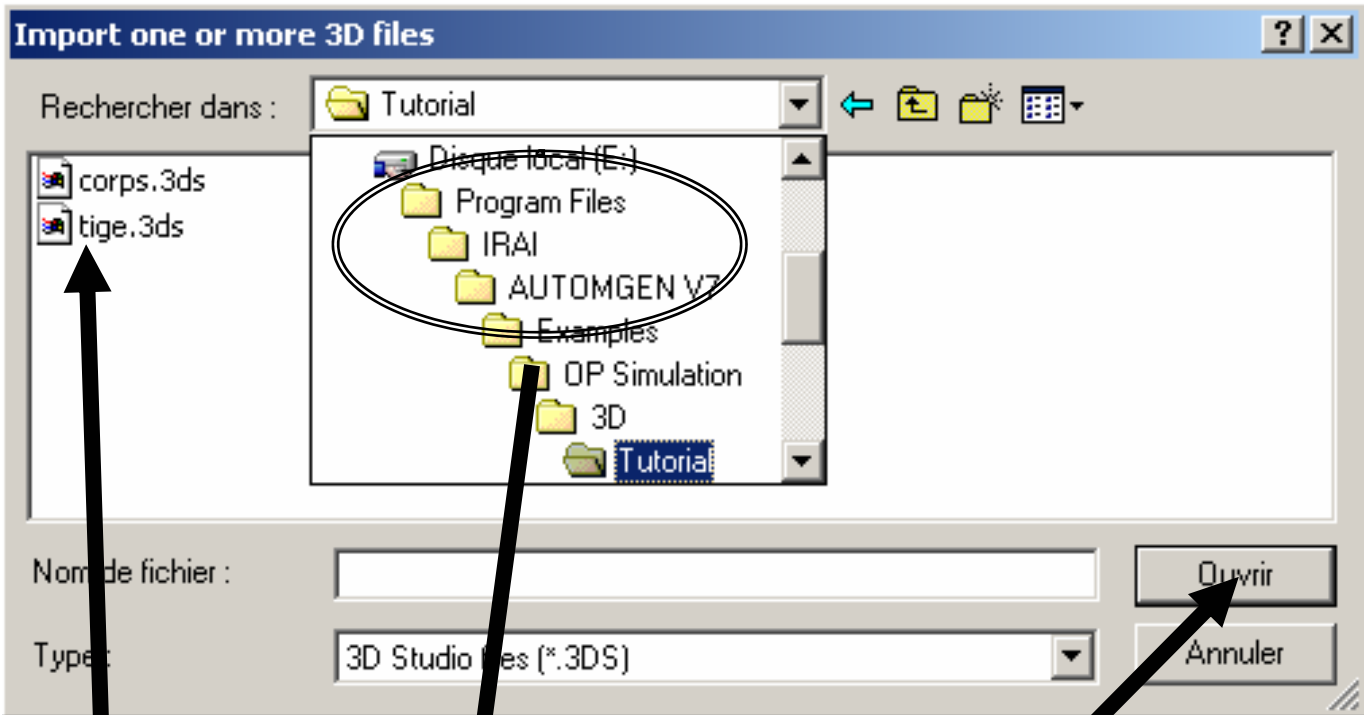
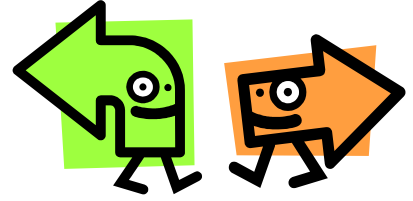
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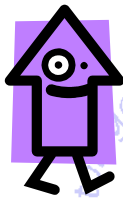
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Dossier d'installation

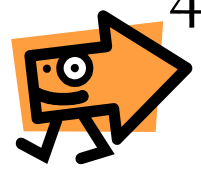
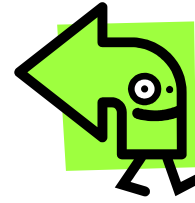
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Parcourir...

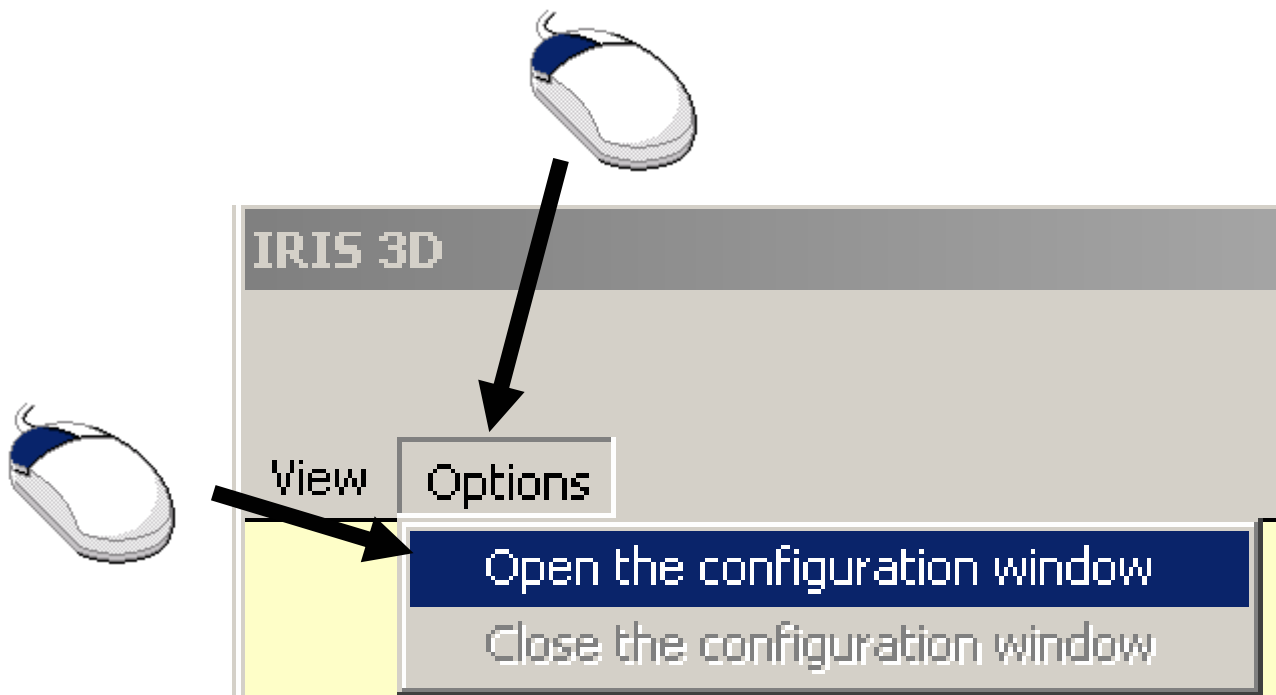
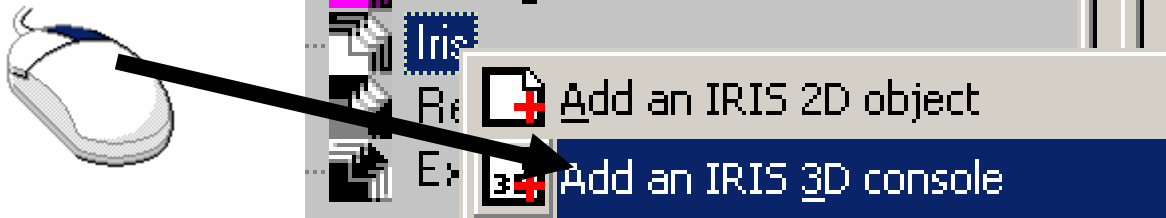


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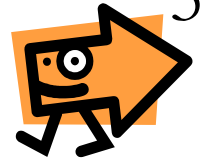
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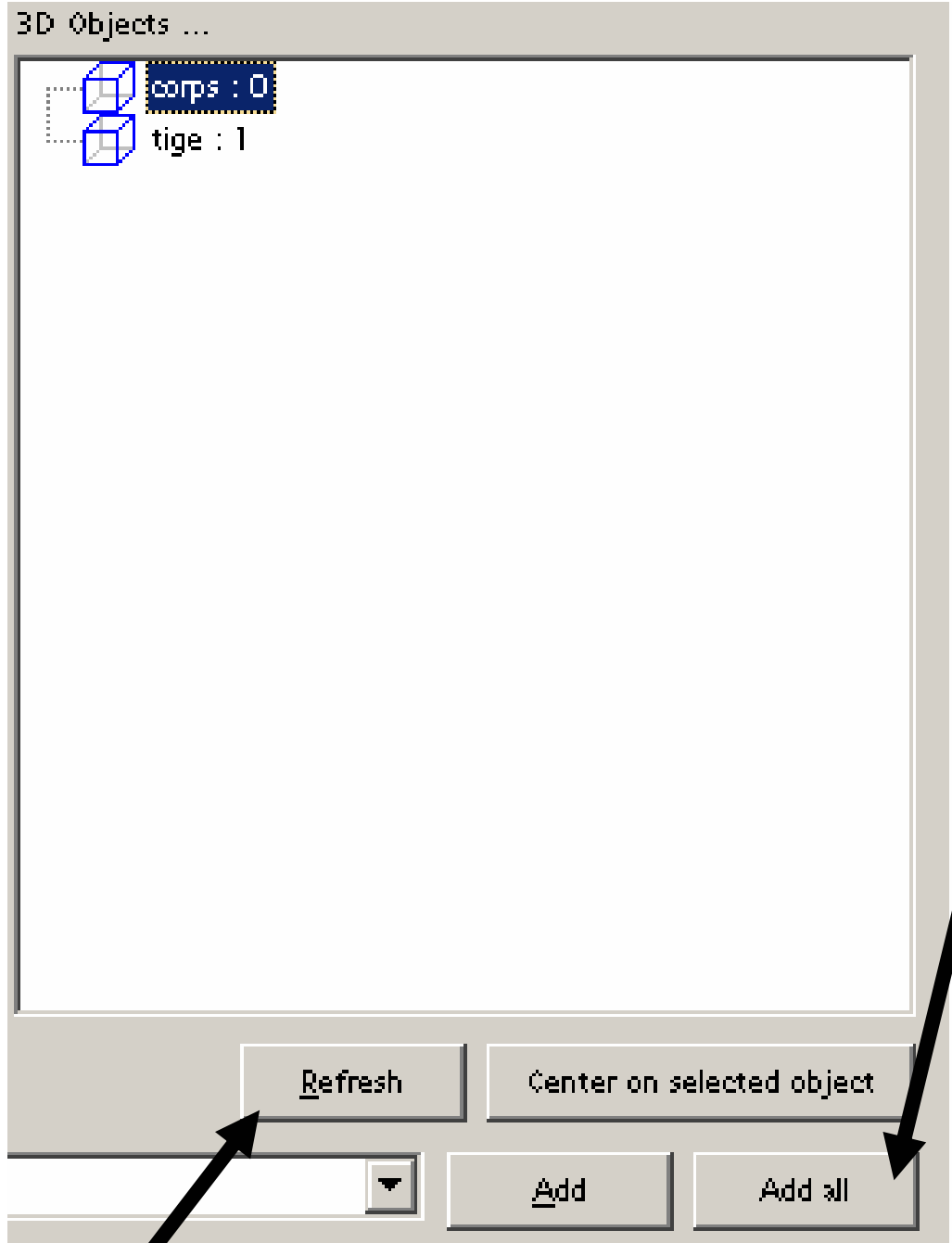


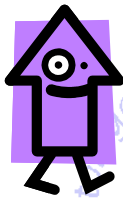
Creating a 3D OP simulation application

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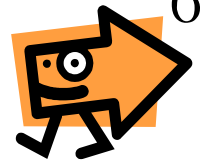
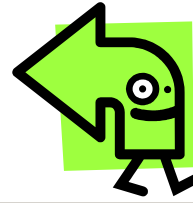
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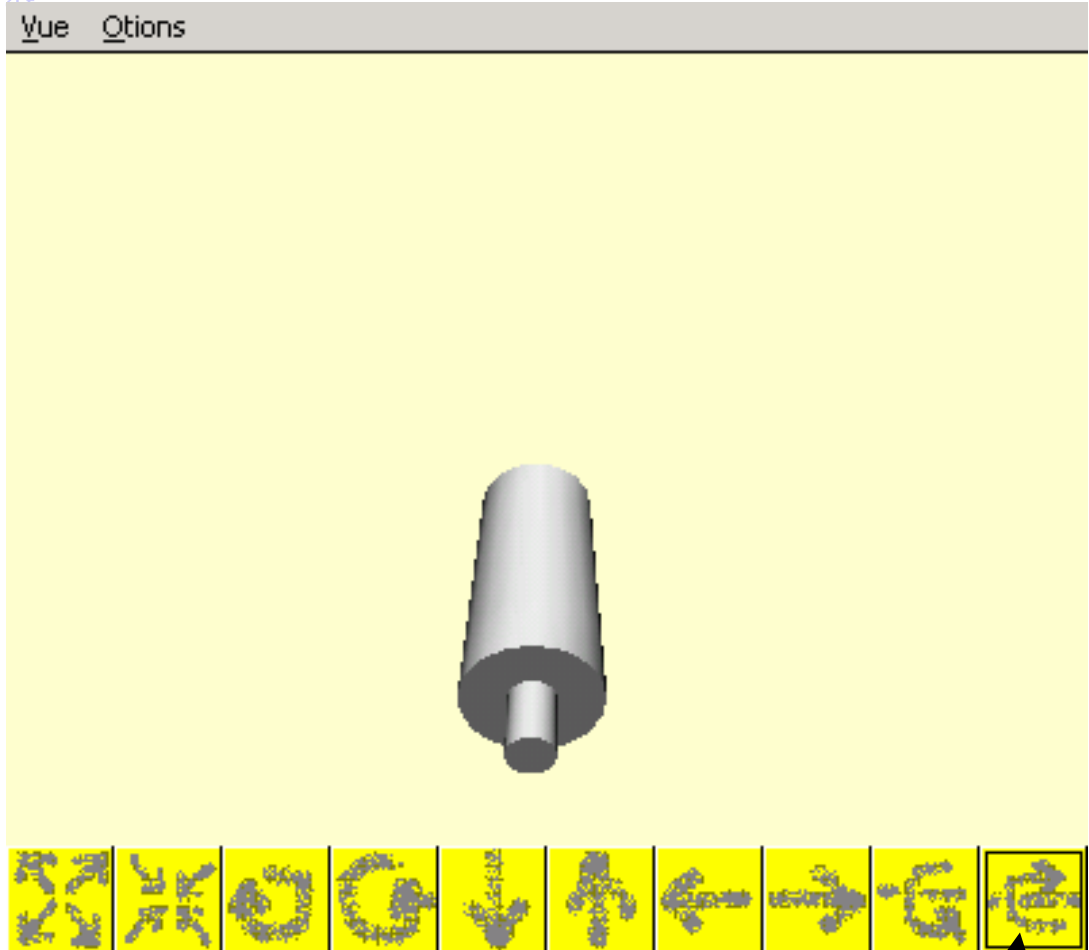


Creating a 3D OP simulation application

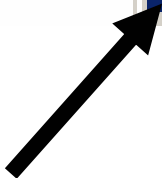
www.irai.com

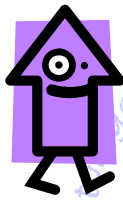


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Add a translation

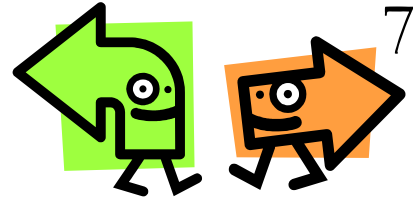




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Translation

tige : 1

Position

No piloting

Bistable piloting

Monostable piloting

Numerical piloting

Mini: 0.000000

Maxi: -10

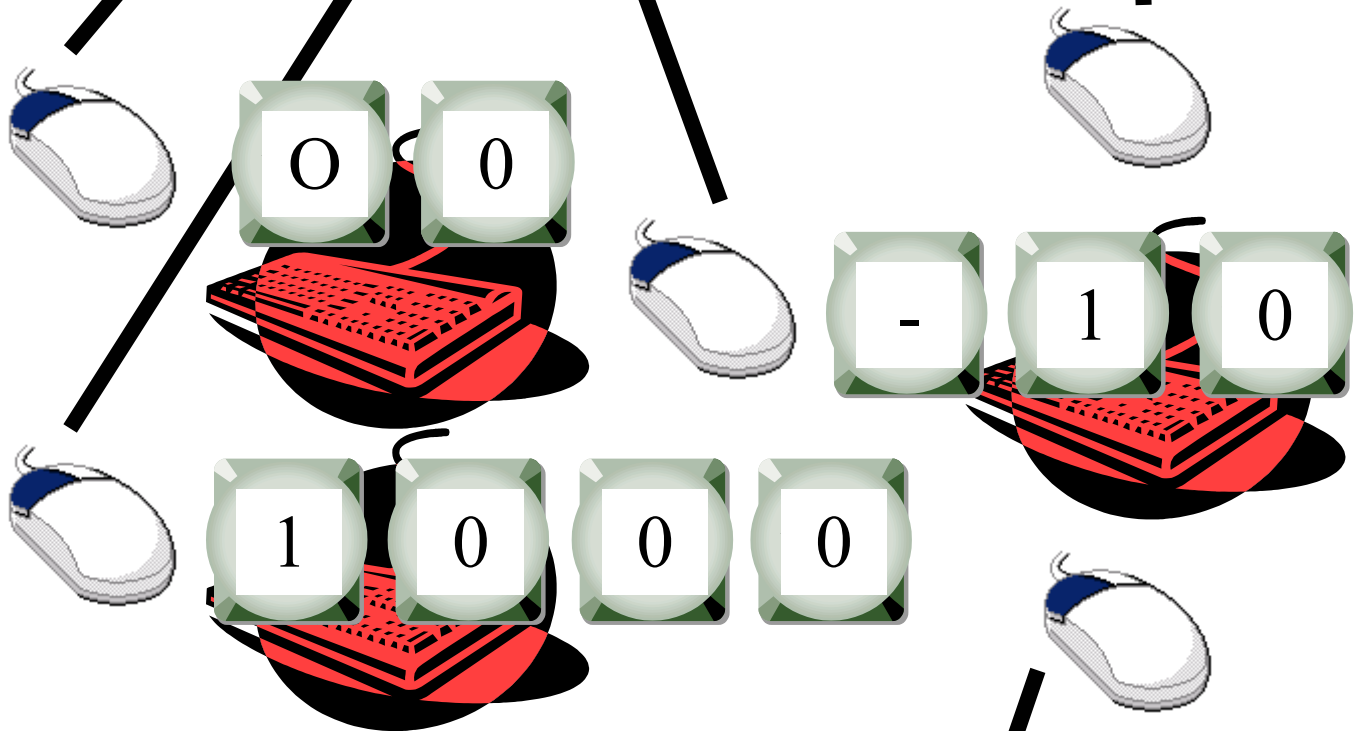
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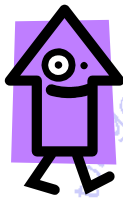
Axis

X

Y

Z

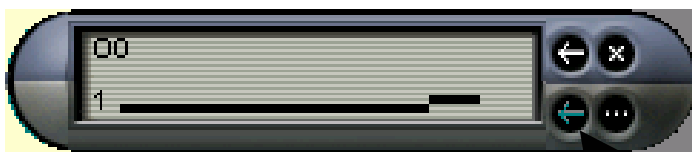
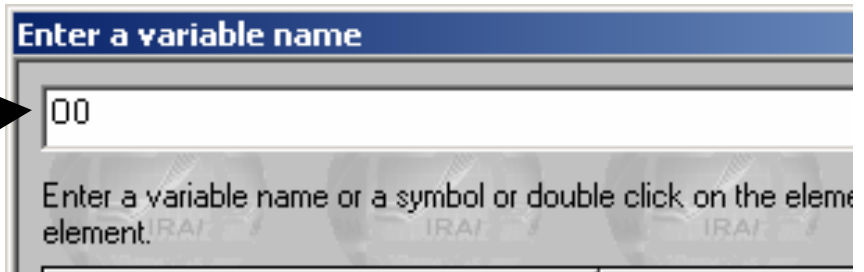
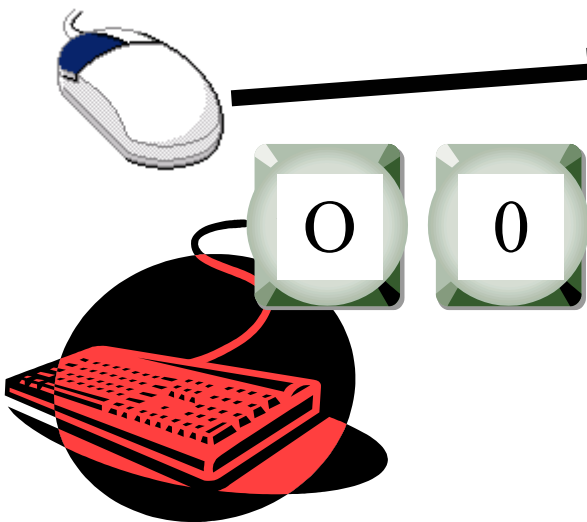
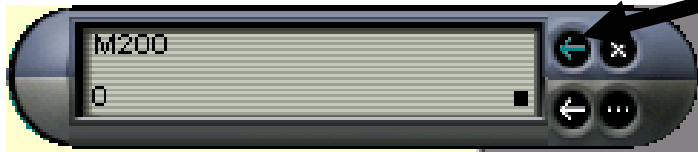
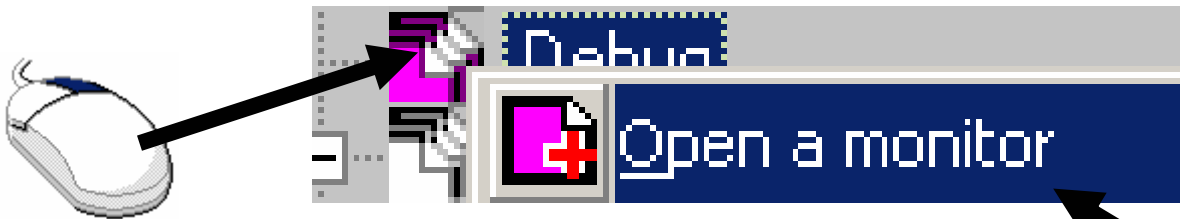
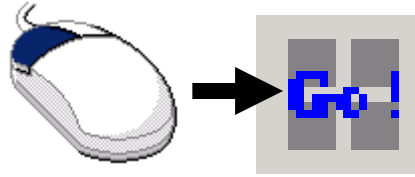
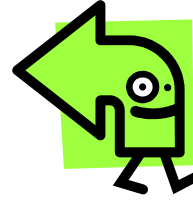




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To find information

Starting with the software	This manual
To learn more about the language syntax elements	Language reference manual
To learn how to use the environment including IRIS 2D and IRIS 3D objects	Environment reference manual
To learn how to use post-processors	Post-processor reference manual
For additional information	www.irai.com





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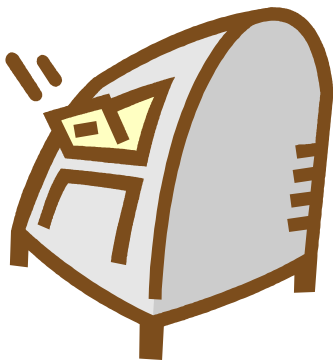


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